

ABSTRACT

A friction-reducing abrasion resistant material is described. The material comprises an expanded polytetrafluoroethylene (ePTFE) film having dispersed therein a polymer resin material. This invention relates to such PTFE materials having a unique and useful combination of high strength and unique microstructure, which have been imbibed with thermoset or thermoplastic polymers. Articles made from these materials are particularly suitable for use as bearings such as mechanical plain bearing liner materials.